
APPENDIX D

**Muscoy OU Operations and
Treatment Report (SBMWD) –
September 2005**

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NOV 15 2005

Revised Nov 1, 2005

San Bernardino Municipal Water Department
Operations Monthly Treatment Report
Newmark OU / Towers / 19th St South GAC / 19th St North GAC

CITY OF SAN BERNARDINO
MUNICIPAL WATER DEPARTMENT

Reporting Period: Sept 2005

EPA 19th St North Plant					
Production GAC Wells					
EPA 003		AF			
GAC Treatment					
Vessel	Monthly Treated	Total Since Change-out	Vessel	Monthly Treated	Total Since Change-out
1A		681.897	1B		870.637
2A		652.724	2B		893.632
3A		675.407	3B		918.530
Totals	205.549 AF	2010.028 AF		0.000 AF	2682.799 AF
Vessels					
TCE-In					
TCE-Out					
PCE-In					
PCE-Out					
Total	4.8 ug/L	lbs Removed 2.68			

EPA 30th St North Tower Waterman Tower					
Production GAC Wells		Tower Wells	Wells	Towers	
EPA 002		Waterman		TCE+PCE-In	
EPA 004		30th St.		TCE+PCE-Out	
EPA 005		South Tower Total	292.585 AF	TCE+PCE-In	
Total	600.871 AF	Leroy		TCE+PCE-Out	
		31st St.		TCE+PCE-In	
		North Tower Total	52.909 AF	TCE+PCE-Out	
GAC Treatment					
Vessel	Monthly Treated	Total Since Change-out	Vessel	Monthly Treated	Total Since Change-out
1A		278.444	1B		1015.341
2A		252.902	2B		1012.581
3A		269.617	3B		994.248
4A		278.770	4B		1030.361
5A		262.352	5B		989.723
6A		146.566	6B		1033.084
7A		254.758	7B		1046.111
8A		299.416	8B		1198.688
Totals	601.495 AF	2042.825 AF		0.000 AF	8320.137 AF
Vessels			Towers		
TCE-In			#s Removed Waterman	2.42	
TCE-Out			#s Removed 30th St	2.35	
PCE-In			#s Removed Leroy	0.51	
PCE-Out			#s Removed 31st St	0.35	
Total	1.2 ug/L	lbs Removed 1.96	Total pounds Removed Tower	5.63	

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Production GAC Wells					
EPA 006					
EPA 007					
NM3					
Total	345.802 AF				
Tower Wells					
Newmark 1			TCE+PCE-In		TCE+PCE-Out
Newmark 4			TCE+PCE-In		TCE+PCE-Out
West Tower Total	199.095 AF				
Newmark 2			TCE+PCE-In		TCE+PCE-Out
East Tower Total	0.000 AF				
GAC Treatment					
Vessel	Monthly Treated	Total Since Change-out	Vessel	Monthly Treated	Total Since Change-out
1A		5.762	1B		528.430
2A		32.022	2B		506.262
3A		28.811	3B		385.655
4A		29.451	4B		483.411
5A		21.203	5B		479.463
6A		22.027	6B		537.707
7A		21.141	7B		529.313
Totals	160.417 AF	160.417 AF		204.269 AF	3450.241 AF
Vessels			Towers		
TCE-In			#s Removed Newmark 1		0.05
TCE-Out			#s Removed Newmark 4		0.22
PCE-In			#s Removed Newmark 2		0.00
PCE-Out					
Total	4.8 ug/L	lbs Removed 4.76	Total pounds Removed Tower		0.27

Production GAC Wells					
19th St 1					
19th St 2					
Mt Vernon					
Total	132.454 AF				
GAC Treatment					
Vessel	Monthly Treated	Total Since Change-out	Vessel	Monthly Treated	Total Since Change-out
1A		555.345	1B		0.000
2A		578.556	2B		0.000
3A		619.919	3B		0.000
4A		597.079	4B		0.000
Totals	240.963 AF	2350.899 AF		0.000 AF	0.000 AF
Vessels					
TCE-In					
TCE-Out					
PCE-In					
PCE-Out					
Total	4.3 ug/L	lbs Removed 2.82			

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Production GAC Wells					
EPA 001	12.17	AF			
EPA 108	12.17	AF			
EPA 109	12.17	AF			
EPA 110	12.17	AF			
EPA 111	12.17	AF			
EPA 112	12.17	AF			
Totals	1330.196	AF			

GAC Treatment					
Vessel	Monthly Treated	Total Since Change-out	Vessel	Monthly Treated	Total Since Change-out
1A	477.461		1B		0.000
2A	443.282		2B		0.000
3A	584.686		3B		0.000
4A	520.268		4B		0.000
5A	584.843		5B		0.000
6A	818.905		6B		0.000
7A	0.000		7B		0.000
8A	475.586		8B		0.000
9A	501.568		9B		0.000
10A	452.741		10B		0.000
11A	569.610		11B		0.000
12A	617.967		12B		0.000
13A	572.296		13B		0.000
14A	0.000		14B		0.000
Totals	1330.196	AF		0.000	AF

Vessels			
TCE-In			
TCE-Out			
PCE-In			
PCE-Out			
Total	6.2 ug/L	lbs Removed	22.41

Summary			
Monthly		Year to Date	
Total AF Treated GAC	2742.889	Total AF Treated GAC	18951.112
Total AF Treated Towers	544.589	Total AF Treated Towers	5648.244
Combined AF Treated	3287.478	Combined AF Treated	24599.356
Total lbs Removed GAC	34.6	Total lbs Removed GAC	241.1
Total lbs Removed Towers	5.9	Total lbs Removed Towers	68.3
Combined Pounds Removed	40.5	Combined Pounds Removed	309.4